

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (previously presented) A location-specific frequency tuning system comprising:
 - a location unit;
 - a wireless interface to a wide area network;
 - a user interface;
 - a mobile receiving unit tuned to receive a broadcast signal based on a selected frequency provided as input to the mobile receiving unit; and
 - a frequency selection unit coupled to said mobile receiving unit, said frequency selection unit receiving a current location from the location unit, receiving tuning data comprising a set of frequencies of broadcast signals corresponding to different geographic regions through the wireless interface at the current location from a database on the wide area network, selecting a plurality of frequencies from the set of frequencies of broadcast signals based on the strength of said plurality of frequencies, arranging said plurality of frequencies by subject content categories and geographic areas corresponding to said plurality of frequencies, generating a menu comprising each of said plurality of arranged frequencies and descriptions of specific broadcast format information corresponding to each of said plurality of arranged frequencies, outputting said menu to a user through said user interface, selecting one of said plurality of arranged frequencies based on a user selection, and tuning said mobile receiving unit to said selected arranged frequency.

2. (previously presented) The system of claim 1 wherein the selected frequency is the transmission frequency of a frequency modulated (FM) broadcast station.
3. (previously presented) The system of claim 1 wherein the selected frequency is a transmission frequency of a satellite transmitter.
4. (previously presented) The system of claim 1 further comprising receiving from the frequency selection unit data arranged as radio signal content categories, and to output a menu of the radio signal content categories to a listener.
5. (previously presented) The system of claim 1 wherein at least a portion of the menu is output on a visual display.
6. (previously presented) The system of claim 1 wherein at least a portion of the menu is audibly output by the user interface.
7. (previously presented) The system of claim 1 further comprising a user interface electrically coupled to receive and relay to the frequency selection unit a user command to select a particular content category in an arrangement of radio signal content categories stored in the frequency selection unit.

8. (original) The system of claim 7 wherein the command is a verbal command.

9-16. (canceled).

17. (previously presented) A method of tuning location-specific frequency data in a mobile signal receiving unit using a frequency selection unit coupled to said mobile signal receiving unit, said method comprising:

receiving geographic position information from a location unit, said geographic position information identifying a present geographic position of said mobile signal receiving unit

receiving tuning data from a remote database said tuning data comprising a set of frequencies of broadcast signals corresponding to different geographic frequencies;

receiving user-selected content category information;

determining a plurality of reception areas in which said system is located based on said geographic position information and said tuning data;

selecting localized tuning data based on signal strength for a plurality of available frequencies having a signal reception area corresponding to at least one of said plurality of reception areas, said localized tuning data corresponding to signals having several broadcast forms;

arranging said localized tuning data by subject content categories associated with said plurality of available frequencies and geographic areas corresponding to each of said plurality of reception areas;

selecting localized content information from said arranged localized tuning data when said system moves to a new reception area among said plurality of reception areas, said selected localized content information comprising a plurality of localized content-specific frequencies corresponding to said user-selected content category information and said new reception area, and said selected localized content information further comprising a description of specific broadcast format information for each of said plurality of localized content-specific frequencies;

generating a menu listing said selected localized content information;

outputting said menu to a user through a user interface;

prompting said user interface for a user selection;

selecting one of said plurality of localized content-specific frequencies based on a user selection; and

tuning said mobile signal receiving unit to said selected localized content-specific frequency.

18. (previously presented) The method of claim 17, wherein the tuning data comprises frequency modulated (FM) radio station frequencies.

19. (previously presented) The method of claim 17, wherein the tuning data comprises satellite transmission radio frequencies.

20. (previously presented) The method of claim 17, wherein the tuning data is arranged by categories of content carried by radio signals.

21. (original) The method of claim 20 further comprising the act of outputting to a user a menu of content categories available for the current position.

22. (original) The method of claim 20 further comprising the act of receiving a command from a listener to select a particular content category.

23. (previously presented) The method of claim 17, wherein said user-selected content category information is provided by a system user selecting one or more content categories via the Internet and wherein the tuning data is provided by downloading via the Internet.

24. (original) The method of claim 23, wherein the user selects the one or more content categories via the World-Wide Web.

25. (previously presented) The method of claim 17, wherein the geographic position information is provided using global positioning system information.

26. (previously presented) The method of claim 17, wherein the geographic position information is provided using cellular wireless communications system information.

27. (canceled).

28. (previously presented) The method of claim 17, wherein the localized tuning data is selected based on a content category of a broadcast signal being received prior to a change in signal reception condition.

29-30. (canceled).

31. (previously presented) The system of claim 1, wherein the geographic position information is provided using global positioning system information.

32. (previously presented) The system of claim 1, wherein the geographic position information is provided using cellular wireless communications system information.